

all coolant of the secondary circulation passage 14, it is possible to avoid the flow path of the cooling system from being unduly extended in length.

IN THE CLAIMS:

Please cancel claims 2, 7 and 12 without prejudice to or disclaimer of the subject matter contained therein.

Please amend claims 1, 3 and 8 as follows:

1. (Amended) A cooling system for a fuel cell powered vehicle wherein a fuel cell is mounted as a power source of an electric vehicle motor, the cooling system comprising:

a primary circulation passage arranged to allow primary coolant to be circulated through a primary circulation pump to cool the fuel cell;

a secondary circulation passage arranged to circulate secondary coolant through a secondary circulation pump;

a primary heat exchanger for achieving heat exchange between the primary coolant and the secondary coolant; and

a secondary heat exchanger for achieving heat exchange between the secondary coolant and the flow of outside air;

wherein the primary circulation pump is connected to and driven with a first rotatable shaft of a pump drive motor and the secondary circulation pump is connected to and driven with a second rotatable shaft on an opposite side of the pump drive motor.

3. (Amended) A cooling system for a fuel cell powered vehicle having a fuel cell serving as a power source for propelling an electric vehicle motor, the cooling system comprising:

a primary circulation passage connected to the fuel cell and including a primary circulation pump for circulating primary coolant in the primary circulation passage to maintain the temperature of the fuel cell at a given temperature;

a first heat exchanger having first and second flow passages, with the first flow passage being located in the primary circulation passage;

a secondary circulation passage connected to a heat generating source composed of at least the electric vehicle motor and including a secondary circulation pump for circulating secondary coolant in the secondary circulation passage, with the secondary circulation passage being located in the second flow passage of the first heat exchanger to achieve heat exchange between the primary coolant and the secondary coolant; and

a single pump drive motor including a first rotatable shaft connected to and driving the primary pump and a second rotatable shaft connected and driving the secondary circulation pump.

8. (Amended) A fuel cell powered vehicle comprising:

a fuel cell serving as a power source;

an electric vehicle motor powered by the fuel cell for propelling the vehicle;

a primary circulation passage connected to the fuel cell and including a primary circulation pump for circulating primary coolant in the primary circulation passage to maintain the temperature of the fuel cell at a given temperature;

a first heat exchanger having first and second flow passages, with the first flow passage being located in the primary circulation passage;

a secondary circulation passage connected to a heat generating source composed of at least the electric vehicle motor and including a secondary circulation pump for circulating secondary coolant in the secondary circulation passage, with the secondary circulation passage being located in the second flow passage of the first heat exchanger to achieve heat exchange between the primary coolant and the secondary coolant; and

a single pump drive motor including a first rotatable shaft connected to and driving the primary pump and a second rotatable shaft connected and driving the secondary circulation pump.

Please add new claims 15-16 as follows:

~~15. (New) A cooling system according to claim 1, wherein the primary circulation pump, the secondary circulation pump, and the pump drive motor are arranged collinearly.--~~

~~16. (New) A cooling system according to claim 15, wherein the primary circulation pump and the secondary circulation pump are constructed such that the flow rates of the primary and secondary circulation pumps are differentiated.--~~

A marked-up copy of the amended claims is attached as required under 37 C.F.R. § 1.121.